

Figure 1

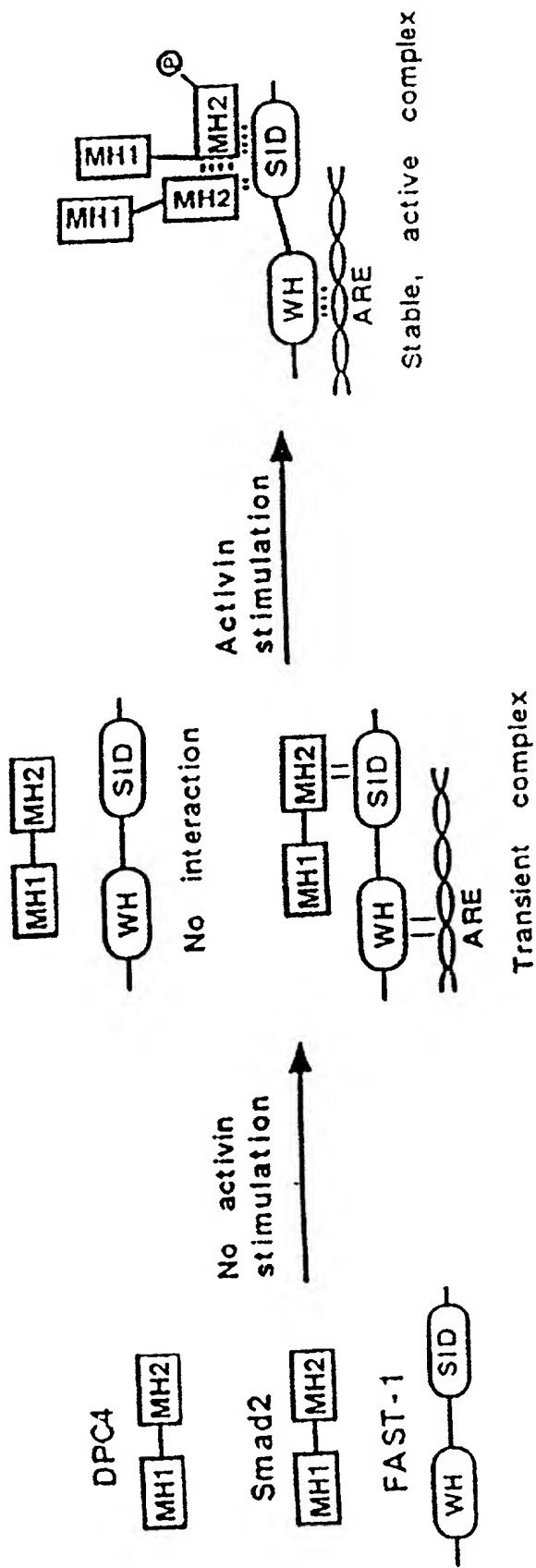
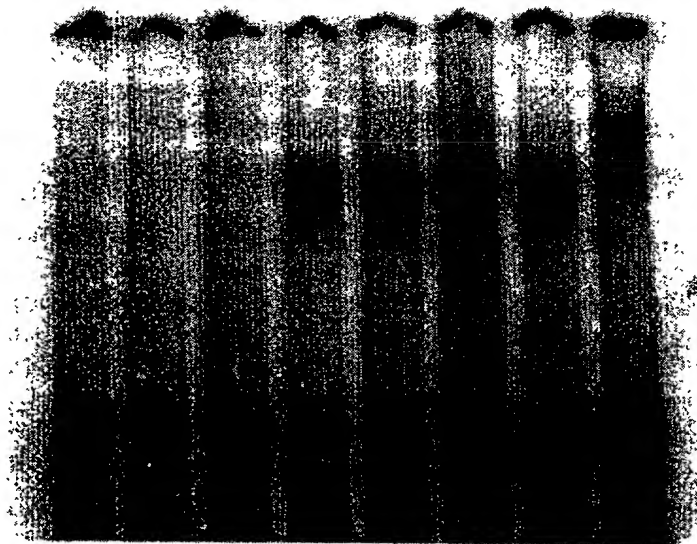


Figure 2

| | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|
| Smad4 | - | - | - | - | + | + | - | - |
| Smad4-HA | - | + | + | - | - | - | + | + |
| Activin | - | - | - | + | + | + | + | + |
| Anti-HA antibody | - | - | + | - | - | + | - | + |



← ssARF
← ARF

1 2 3 4 5 6 7 8

Figure 3

| | | | |
|---------------------|---|---|---|
| Anti-Myc antibody - | + | - | + |
| Anti-HA antibody - | - | + | + |

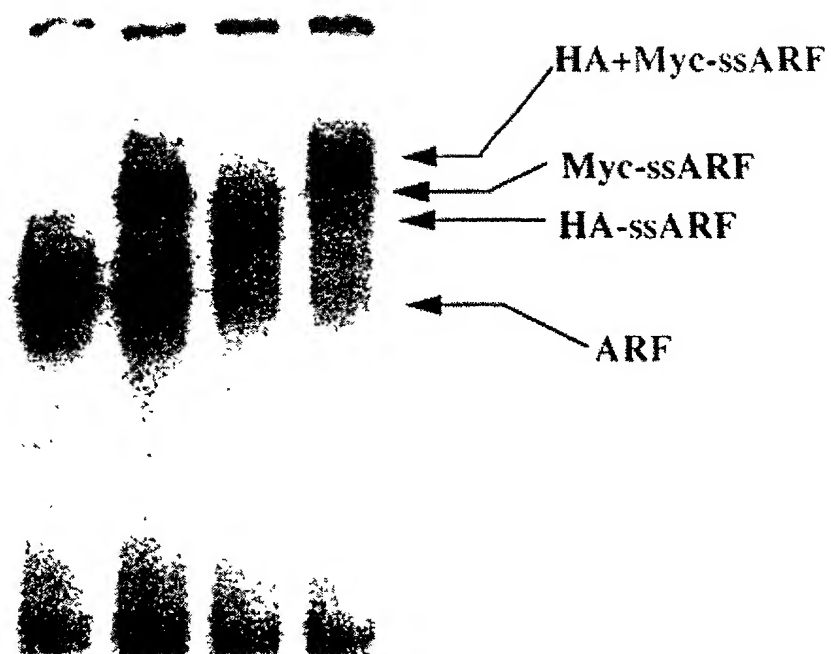
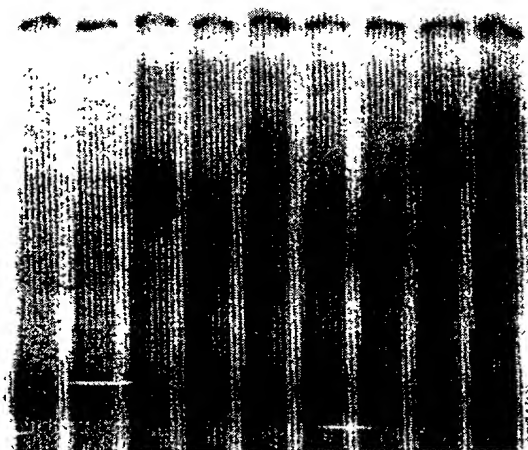


Figure 4

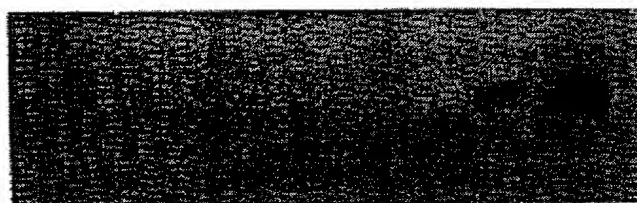
| | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|
| FLAG-Smad2MH2 | - | + | - | + | + | + | + | + | + |
| Smad4-HA | - | - | - | - | - | - | + | + | + |
| Activin | - | - | + | + | + | + | + | + | + |
| anti-FLAG Ab | - | - | - | - | + | - | - | + | - |
| anti-HA Ab | - | - | - | - | - | + | - | - | + |



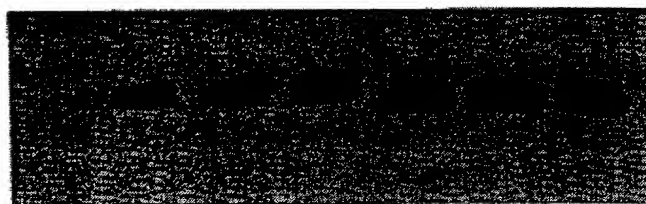
← H-ssMH2ARF
 ← F-ssMH2ARF
 ← ARF
 ← MH2ARF

Figure 5A

| | | | | | | | |
|------------|---|---|---|---|---|---|---|
| GST-FAST-1 | + | - | + | + | - | + | + |
| Myc-Smad1 | - | + | + | + | - | - | - |
| Myc-Smad2 | - | - | - | - | + | + | + |
| Activin | - | - | - | + | - | - | + |



GST-IP
Myc Western

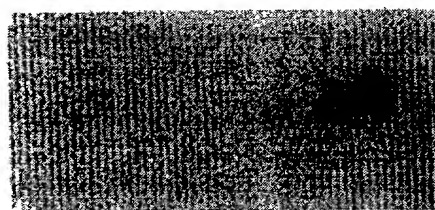


Cell lysate
Myc Western

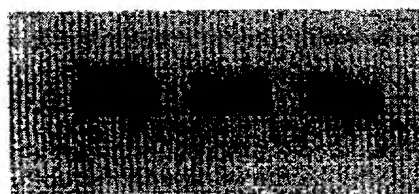
1 2 3 4 5 6 7

Figure 5B

| | | | |
|------------|---|---|---|
| Myc-Smad4 | + | + | + |
| GST-FAST-1 | - | + | + |
| Activin | - | - | + |



GST-IP
Myc Western



Cell lysate
Myc Western

1 2 3

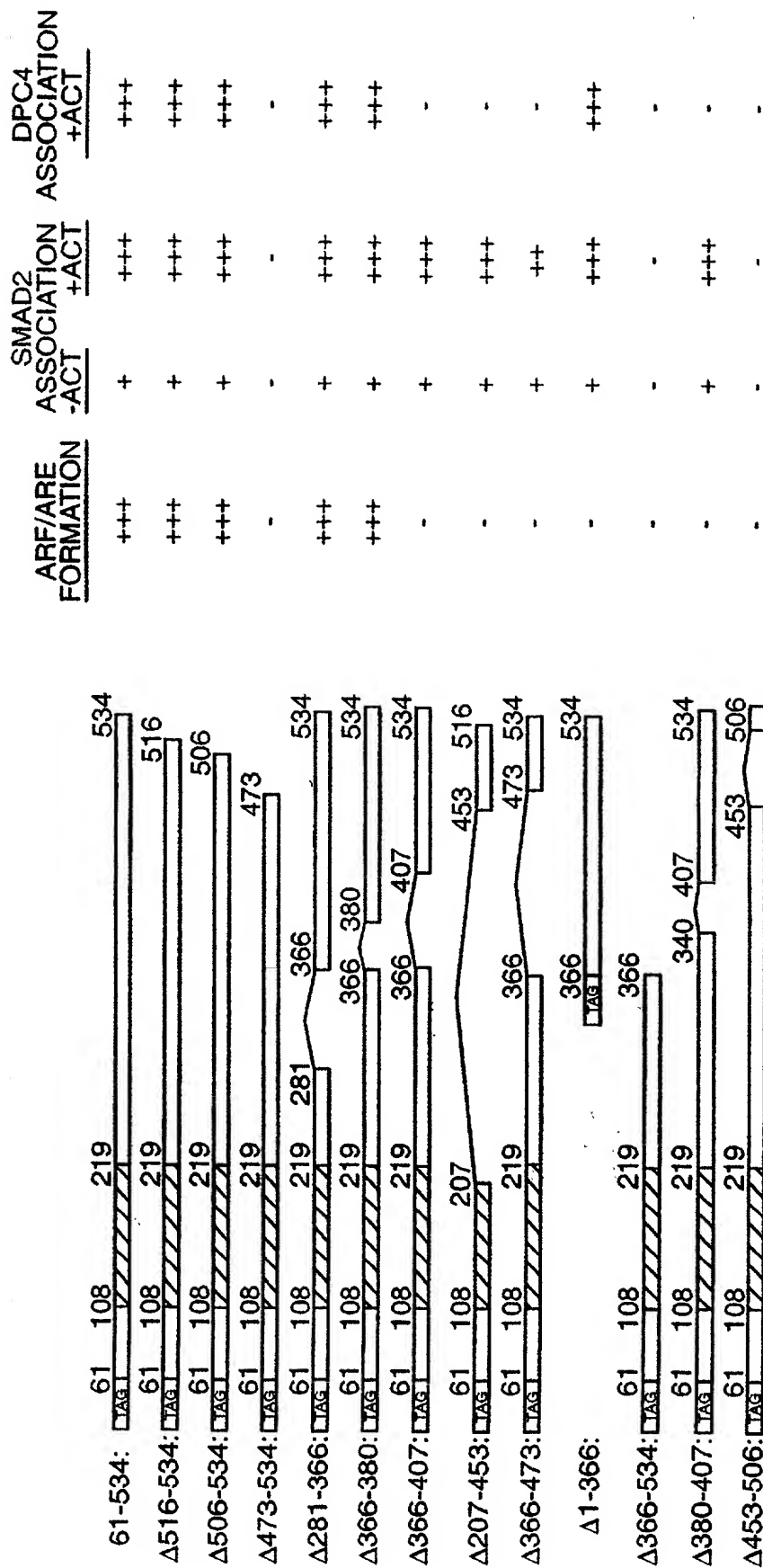


FIG. 6A

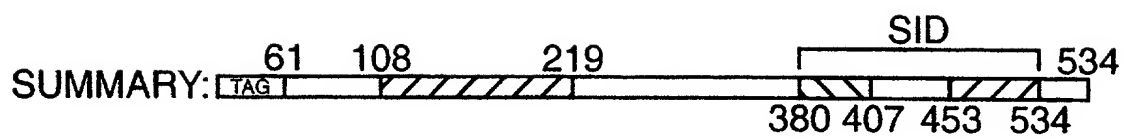
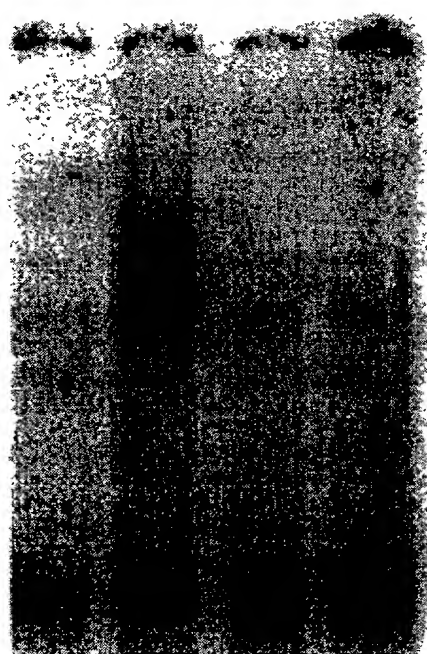


FIG. 6B

Figure 7

FAST-1 366-518 - - + +

Activin - + + -



← ARF

1 2 3 4

Figure 8A

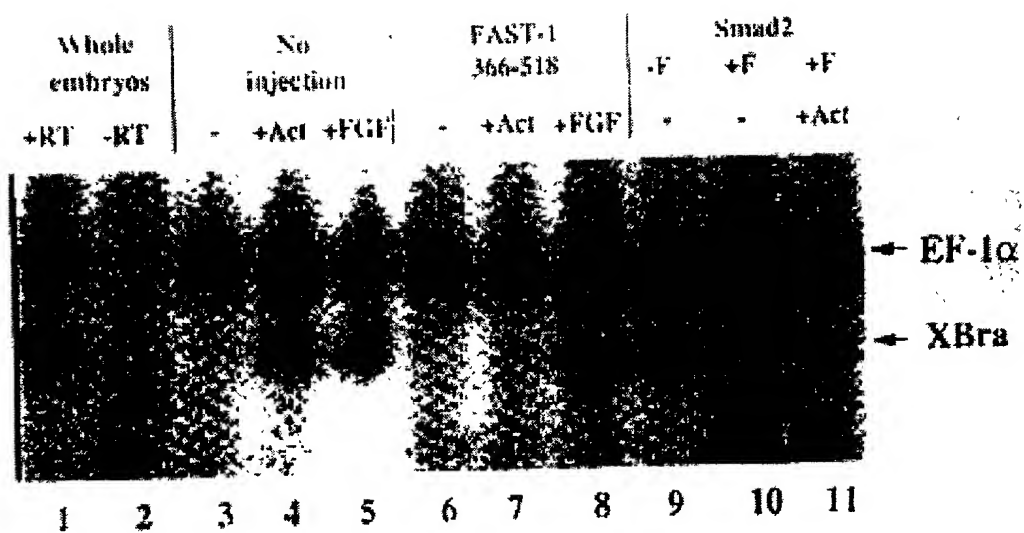
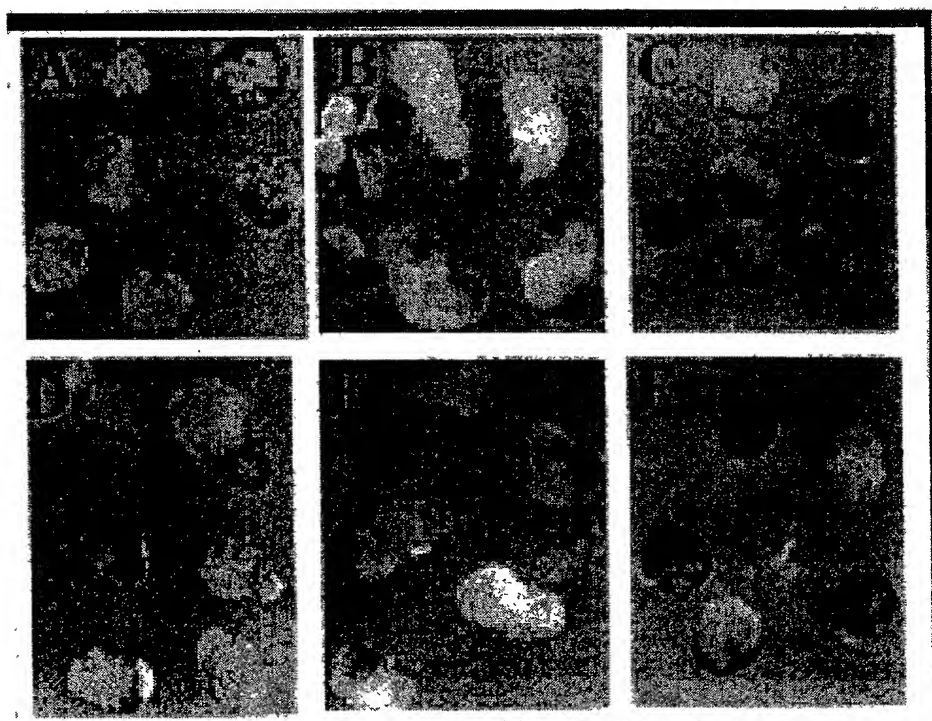
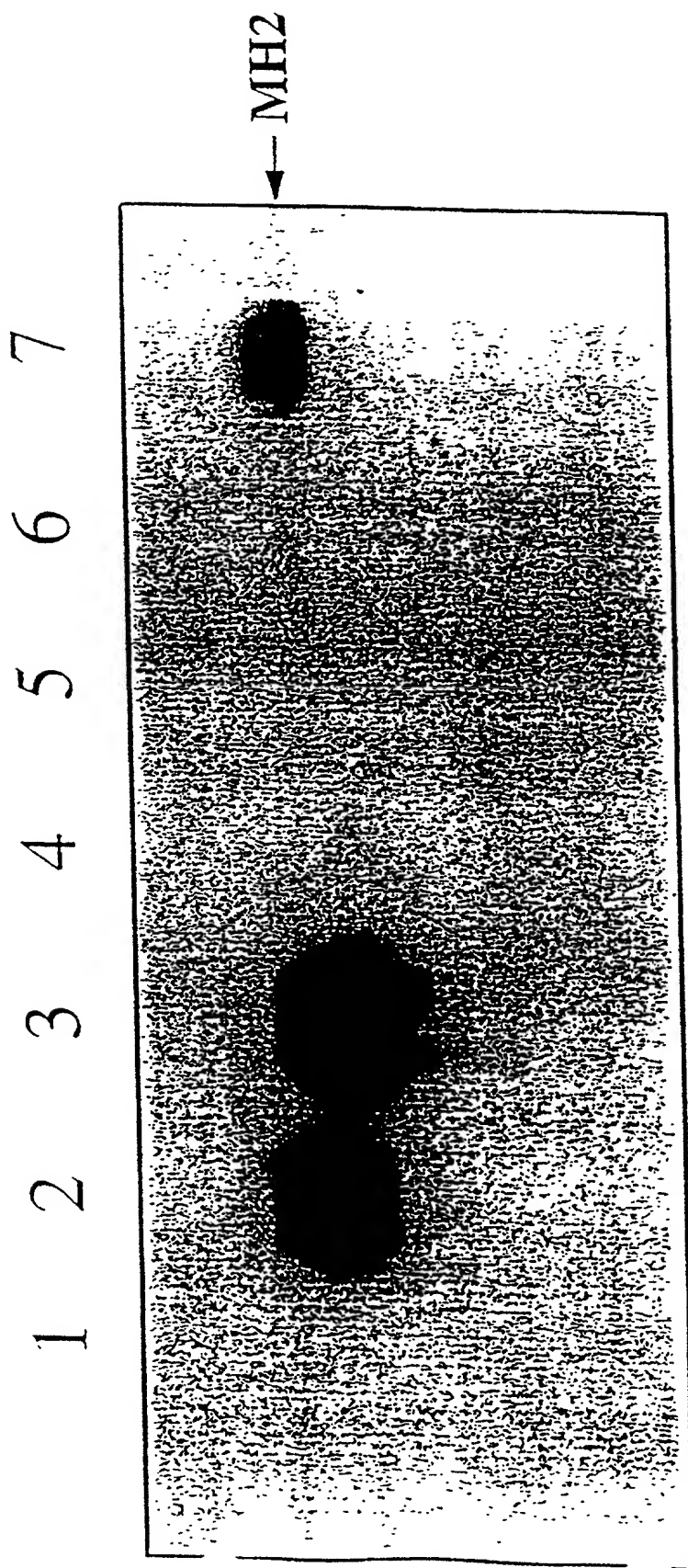


Figure 8B



[illegible]

Figure 9



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|------------------------------|--------------------------------|---|--------------------------------|---|---|------------------------------|--------------------------------|---|---|---|--------------------------------|
| 259 | S | G | G | R | S | G | G | H | R | A | S | - | - | - | - | - | - | - | - | - | - | - | L | W | G | Q | L | HUMAN FASTI PROTEIN SEQUENCE | | | | | | | | | | | | |
| 290 | D | S | R | G | V | P | R | G | S | R | A | S | - | - | - | - | - | - | - | - | - | - | - | L | W | G | Q | L | MOUSE FASTI PROTEIN SEQUENCE | | | | | | | | | | | |
| 376 | D | C | S | T | T | S | S | D | P | D | T | G | N | Y | S | P | I | E | P | P | K | M | P | L | L | S | L | D | L | XENOPUS FASTI PROTEIN SEQUENCE | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 277 | P | T | S | Y | L | P | I | Y | T | P | N | V | V | M | P | L | A | P | - | P | - | - | - | - | - | - | - | - | - | - | - | HUMAN FASTI PROTEIN SEQUENCE | | | | | | | | |
| 308 | P | T | S | Y | L | P | I | Y | T | P | N | V | V | M | P | L | A | T | L | P | - | - | - | - | - | - | - | - | - | - | - | MOUSE FASTI PROTEIN SEQUENCE | | | | | | | | |
| 406 | P | T | S | Y | T | K | S | V | A | P | N | V | V | A | P | P | S | V | L | P | F | F | H | F | P | R | F | T | Y | Y | | | | | | XENOPUS FASTI PROTEIN SEQUENCE | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 296 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | HUMAN FASTI PROTEIN SEQUENCE | | | | | | | | |
| 328 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | MOUSE FASTI PROTEIN SEQUENCE | | | | | | | | |
| 436 | N | Y | G | P | S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | V | A | P | | | XENOPUS FASTI PROTEIN SEQUENCE | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 315 | E | T | R | G | P | P | G | L | L | C | D | L | M | A | L | F | Q | G | V | P | P | N | K | S | I | Y | D | V | W | V | | | | | | HUMAN FASTI PROTEIN SEQUENCE | | | | |
| 348 | E | S | Q | G | S | Q | D | L | L | C | D | L | D | S | L | F | Q | G | V | P | P | N | K | S | I | Y | D | V | W | V | | | | | | MOUSE FASTI PROTEIN SEQUENCE | | | | |
| 460 | S | P | R | G | P | C | S | P | L | - | D | L | D | N | M | L | R | A | M | P | P | N | K | S | V | F | D | V | L | T | | | | | | XENOPUS FASTI PROTEIN SEQUENCE | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 345 | S | H | P | R | D | L | A | A | P | G | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | HUMAN FASTI PROTEIN SEQUENCE | | | | | |
| 378 | S | H | P | R | D | L | A | A | P | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | MOUSE FASTI PROTEIN SEQUENCE | | | | | |
| 489 | S | H | P | G | D | L | V | H | P | S | F | L | S | Q | C | L | G | S | S | G | S | P | Y | P | S | R | Q | G | L | M | | | | | | XENOPUS FASTI PROTEIN SEQUENCE | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 355 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | HUMAN FASTI PROTEIN SEQUENCE | | | | | |
| 388 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | MOUSE FASTI PROTEIN SEQUENCE | | | | | |
| 519 | Y | R | R | R | P | P | G | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | L | T | W | S | G | H | S | M | K | Z | XENOPUS FASTI PROTEIN SEQUENCE |

FIG. 10C